

APPROVED

By Management Review Board

Date APR 07 1986

PROJECT PLANNING REPORT

Shelby, SR 1848,
From NC 18 to North Corporate Limits,
Cleveland County
State Project 9.8122929
U-1162E

State Non-Major Action
N. C. Department of Transportation
Division of Highways

4-7-86
Date



C. D. Adkins, Manager
Planning and Research Branch

PROJECT PLANNING REPORT

Shelby, SR 1848,
From NC 18 to North Corporate Limits,
Cleveland County
State Project 9.8122929
U-1162E

Description

This report covers the proposed widening of SR 1848 (Frederick Street) from a point just north of its intersection with NC 18 to the north corporate limits of Shelby (see attached map). Total project length is approximately 0.55 mile. The project is included in the Statewide Urban Program for FY 86.

Existing Conditions

SR 1848 is designated as a local street in the Shelby Thoroughfare Plan. It provides access to a residential area in the northern sector of the city.

The subject section of road has an 18-foot pavement with shoulders on variable rights of way. Roadside development is predominantly heavy density residential. Building setback is as close as 15 feet from the edge of pavement.

Current traffic volume on SR 1848 is approximately 2800 vehicles per day. Estimated traffic volume for the year 2006 is 5000 vpd, including 0-1 percent TTST and 2 percent dual tired trucks.

Recommendation

The Planning and Research Branch concurs with the Division Engineer's proposal to widen the subject facility to 32 feet face to face of curbs on a proposed 45-foot right of way. The proposed plan is intended to facilitate traffic flow and improve drainage. The new facility will operate as an adequate two-lane section. No left turn lanes or parking will be provided. The proposed width is the maximum that can be constructed without encroaching on existing development but is commensurate with the function of the facility, anticipated traffic needs, and planned improvement of the NC 18-SR 1848 intersection (W-1027).

Estimated Cost

Total estimated construction cost of the project is \$501,000. Roadway plans have been prepared by consultants for the City of Shelby, and additional right of way and easements will be acquired by the City. The City will also be responsible for any adjustment of utilities and the cost of sidewalks.

Environmental Evaluation

The nature and magnitude of the proposed project should not produce any significant adverse effect on the environment. The project is a minor improvement of an established road with minor additional right of way and no displacement of any residence or business will be required.

Construction of a wider pavement and curb and gutter should have a positive impact on the community by providing smoother and safer traffic operation and improved appearance.

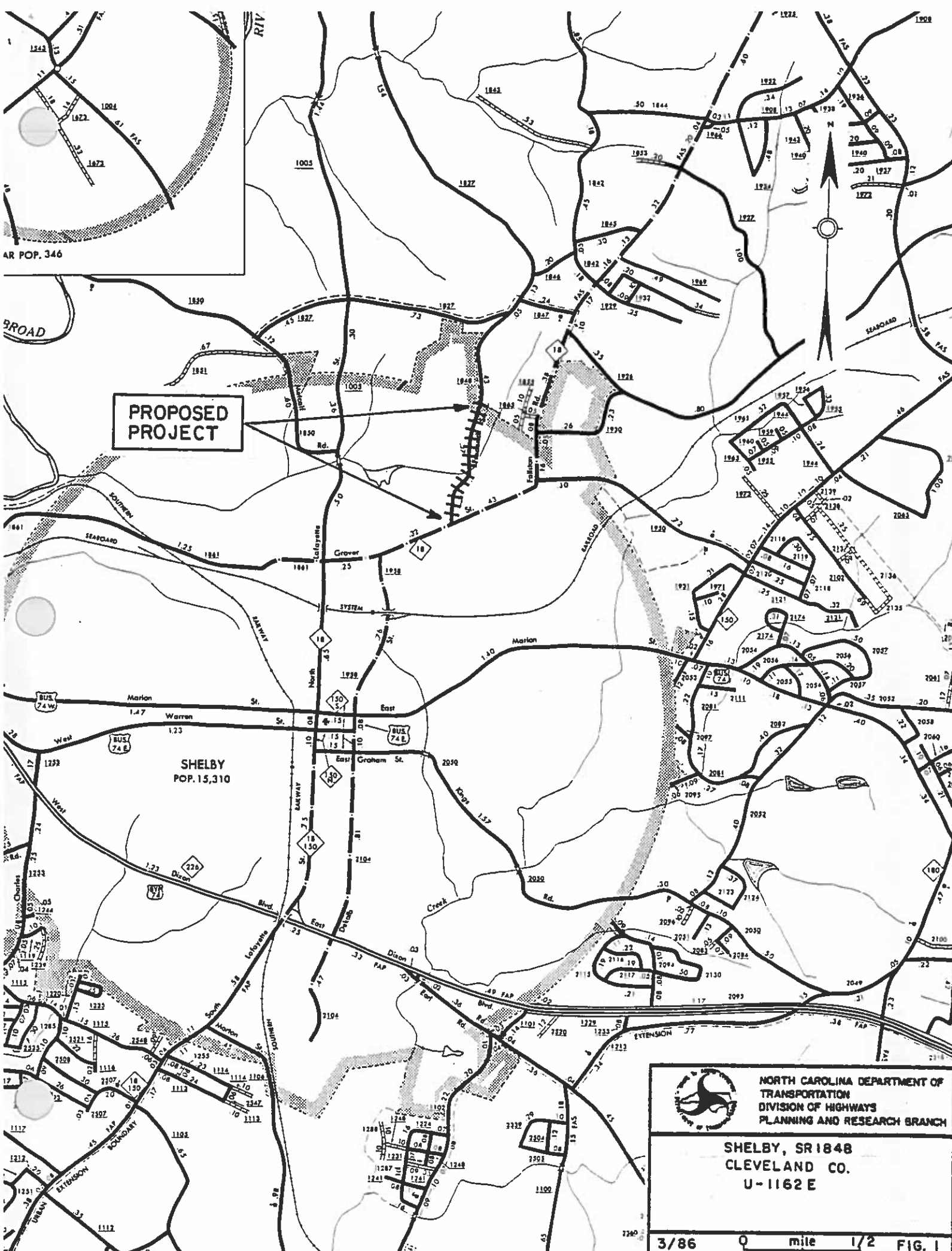
Due to urban development of the area, the project should have no significant effect on animal or plant life, archaeological resources, wetlands, or floodplains. It will not affect any property listed on the National Register for Historic Places or any recreational lands and parks.

Possible erosion or siltation of adjacent properties may occur during construction but will be minimized by anticipated minor grading and use of standard erosion control measures.

The proposal should have no significant effect on noise levels or air quality. It retains the existing two-lane operation which would not significantly alter the pattern or volume of traffic using the facility.


No construction permits will be required for this project.

RGD/dc



PROPOSED
PROJECT

SHELBY
POP. 15,310



NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION
DIVISION OF HIGHWAYS
PLANNING AND RESEARCH BRANCH

SHELBY, SR 1848
CLEVELAND CO.
U-1162 E

3/86 0 mile 1/2 FIG. 1